

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : BRIDGESTONE CORP

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(72)Inventor : ENDO SHIGEKI

IWAMI KOICHI

ISHINO YUICHI

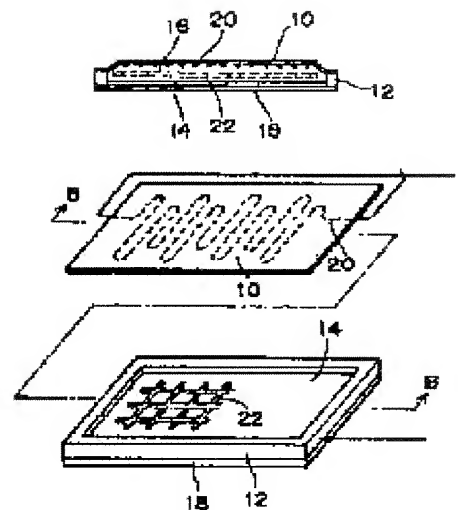
SAITO TASUKU

## (54) SHAPE RETAINING DEVICE

### (57)Abstract:

**PURPOSE:** To hold an arbitrary shape by impression of voltage, by applying an effect of electric viscosity to the title device.

**CONSTITUTION:** An elastic body film 10 and wall material 12 are stuck to each other and an electric viscous liquid 16 is filled into a space between the elastic body film 10 and a flat-plate like negative electrode 14. A positive electrode 20 is an electrode in a wiry shape, possesses a function deforming easily according to external force and is stuck firmly to the surface where the elastic body film 10 into which the electric viscous fluid is enclosed canes into contact with the fluid. The title device is constituted so that an insulation spacer 22 is inserted between the positive and negative electrode, operated as the spacer and sufficient quantity of electric viscous liquid 16 is ensured between the positive electrode 20 and negative electrode 16.



## LEGAL STATUS

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